

0907209-060401
T04090-6025/2600

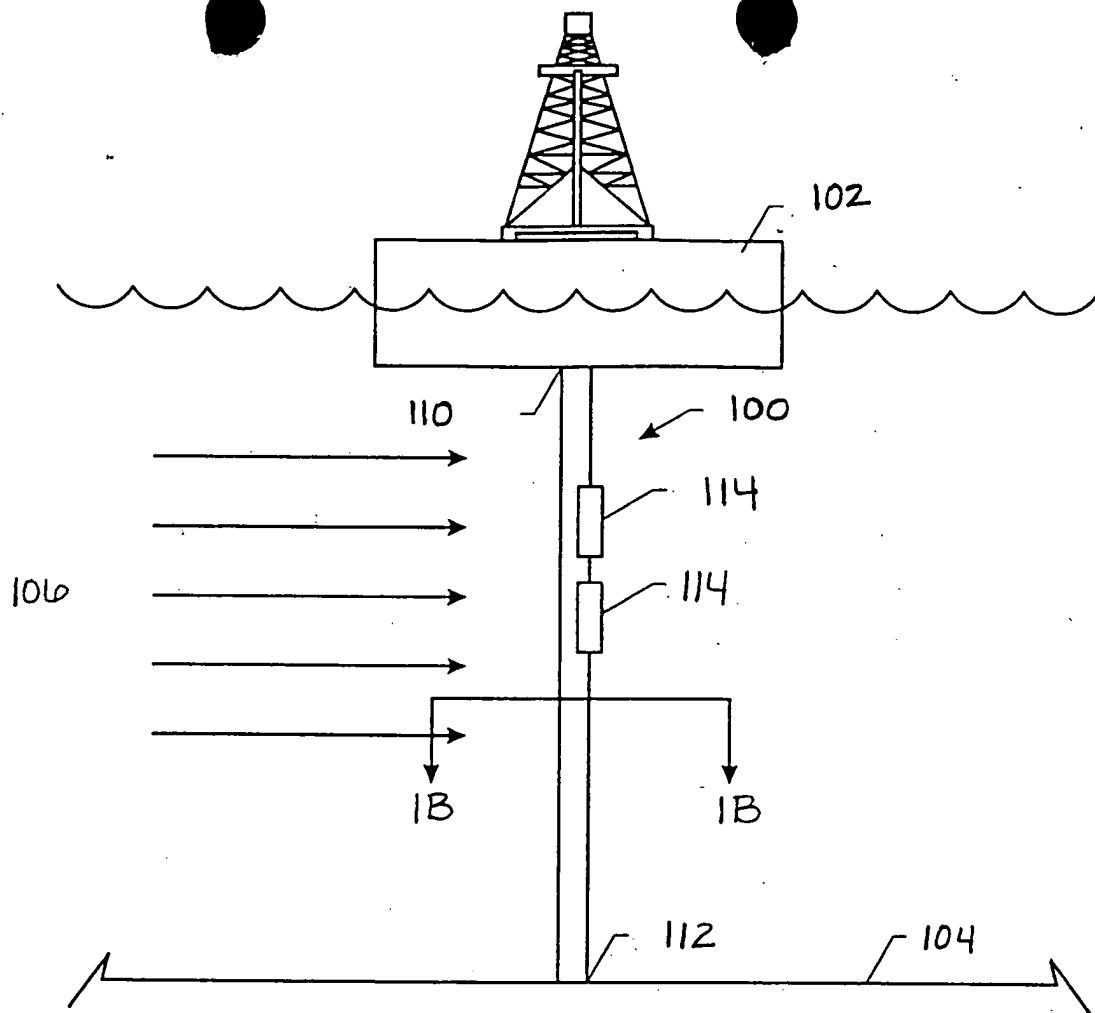


FIGURE 1A

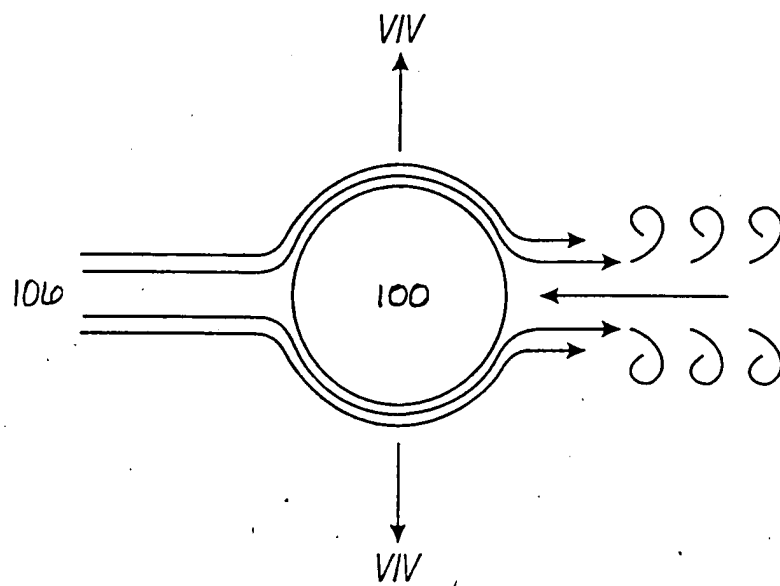


FIGURE 1B

03675203.000401
T04090.60257850

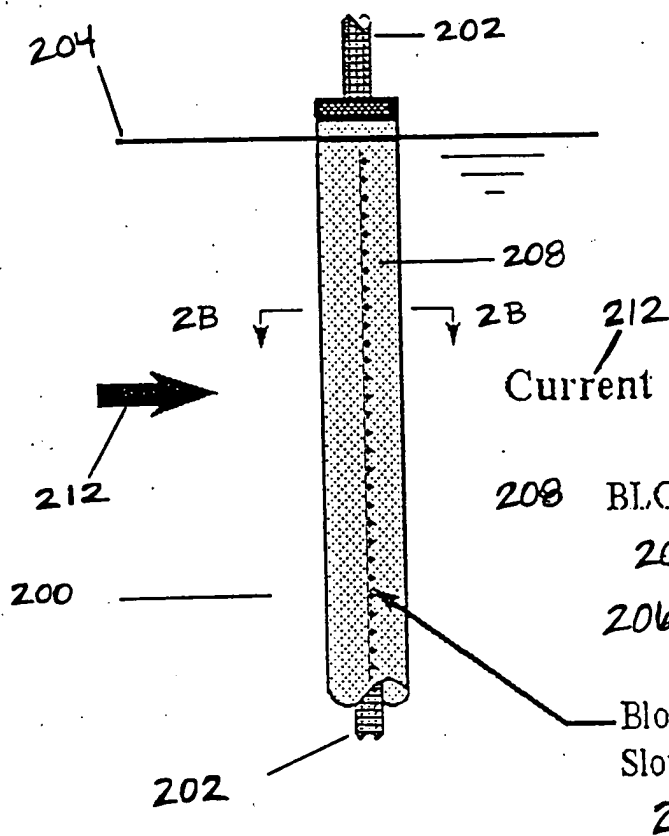


FIGURE 2A

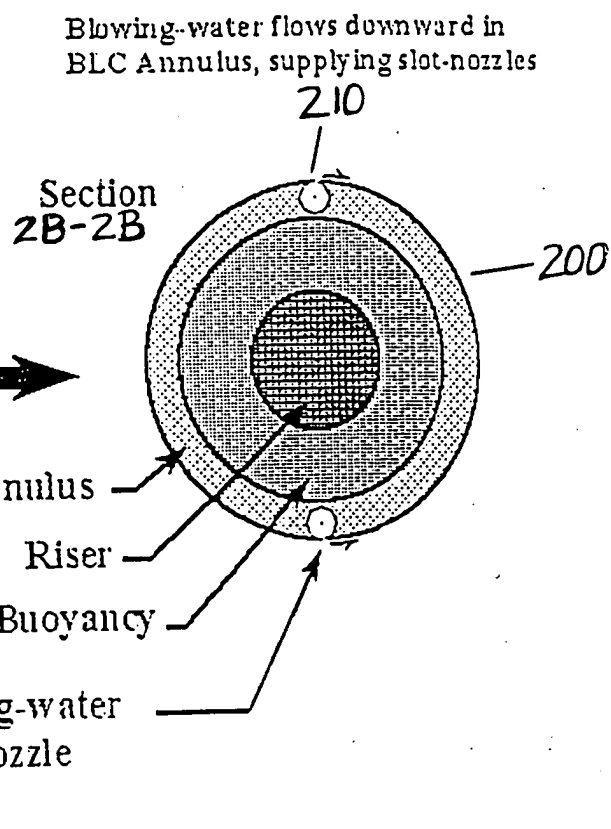


FIGURE 2B

FIG. 2C

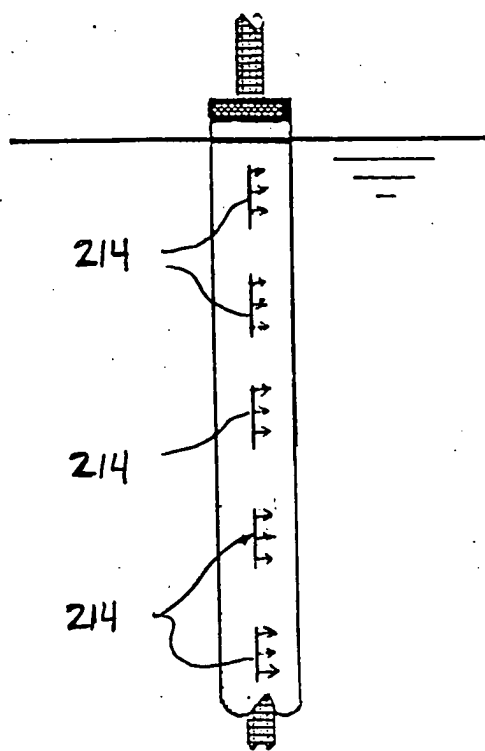


FIGURE 2C

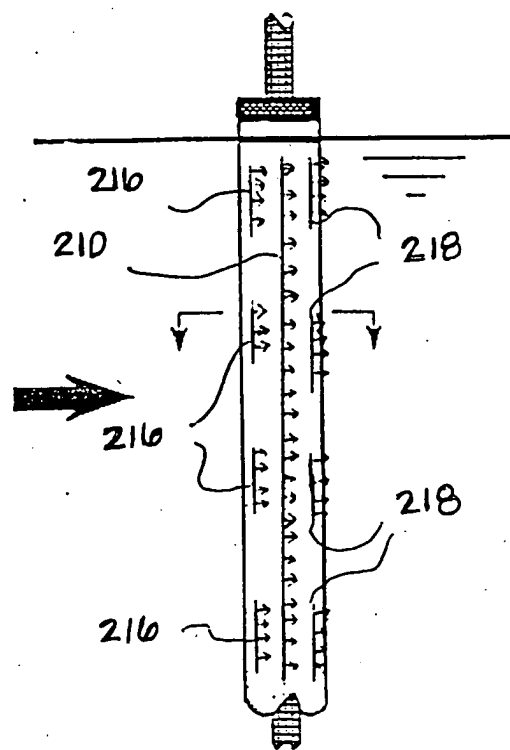


FIGURE 2D

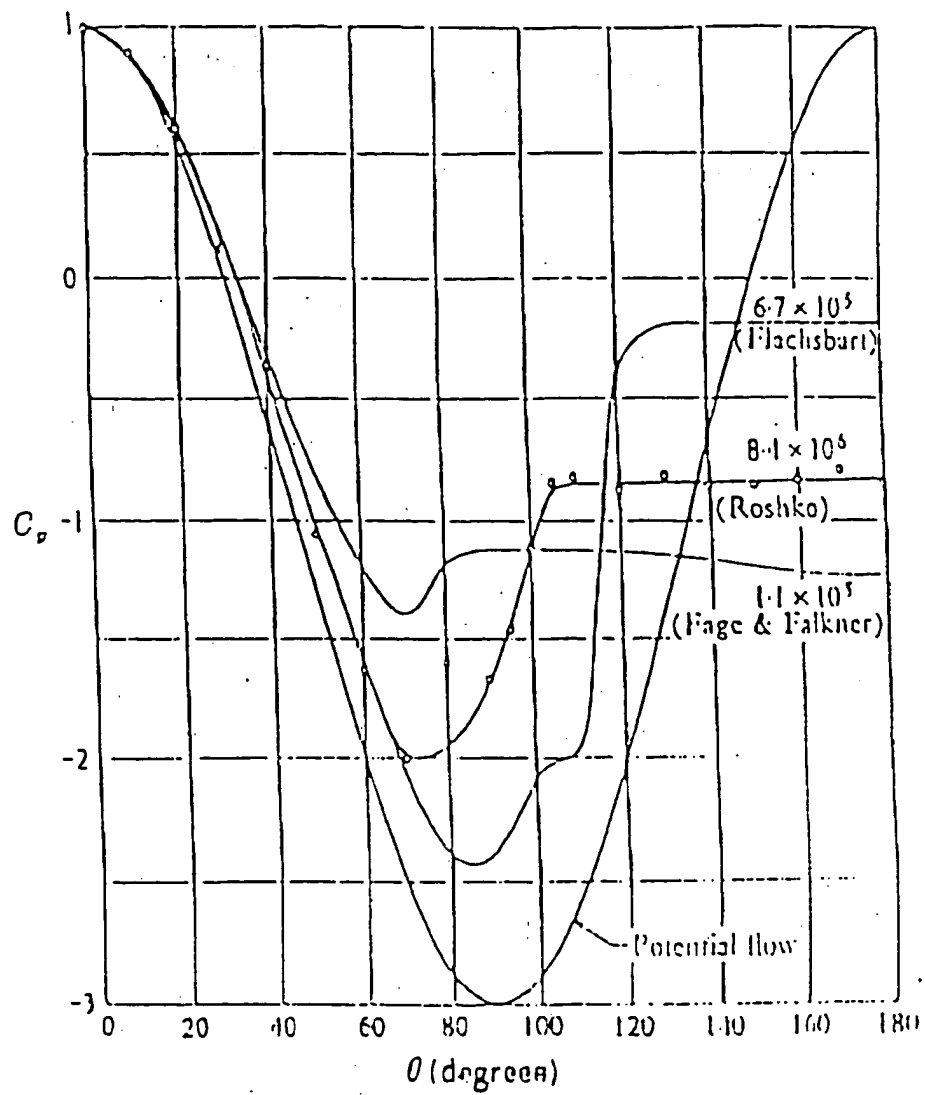


FIG. 3 Pressure Distribution on a circular cylinder

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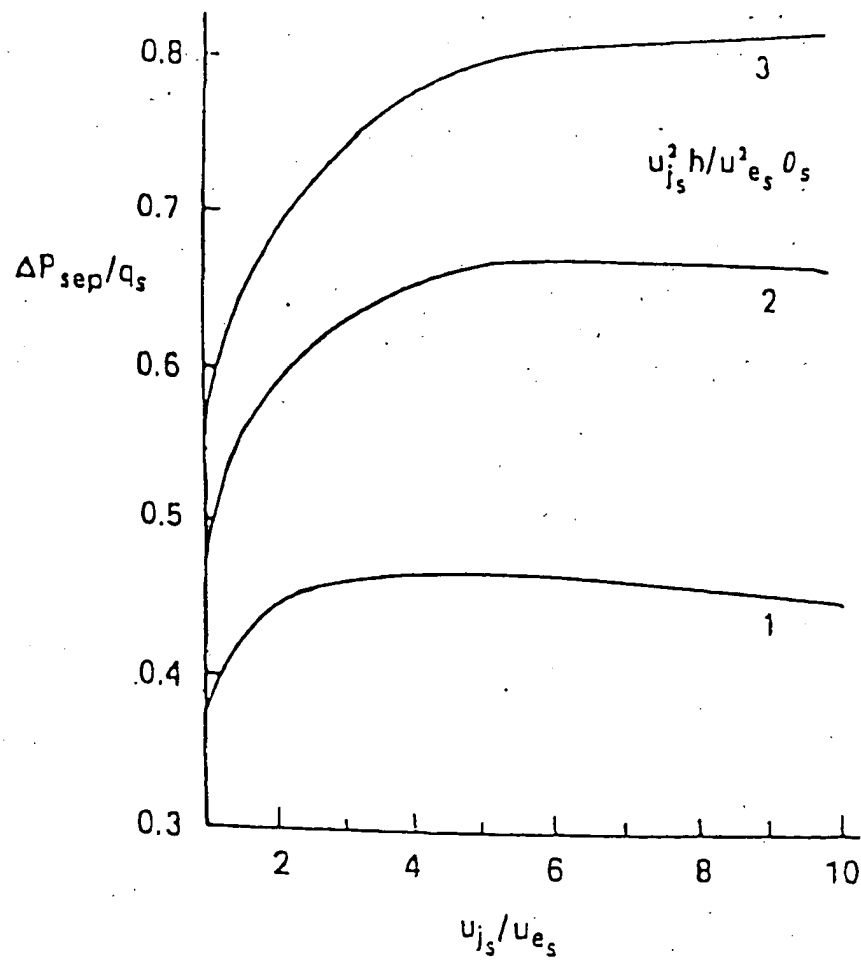
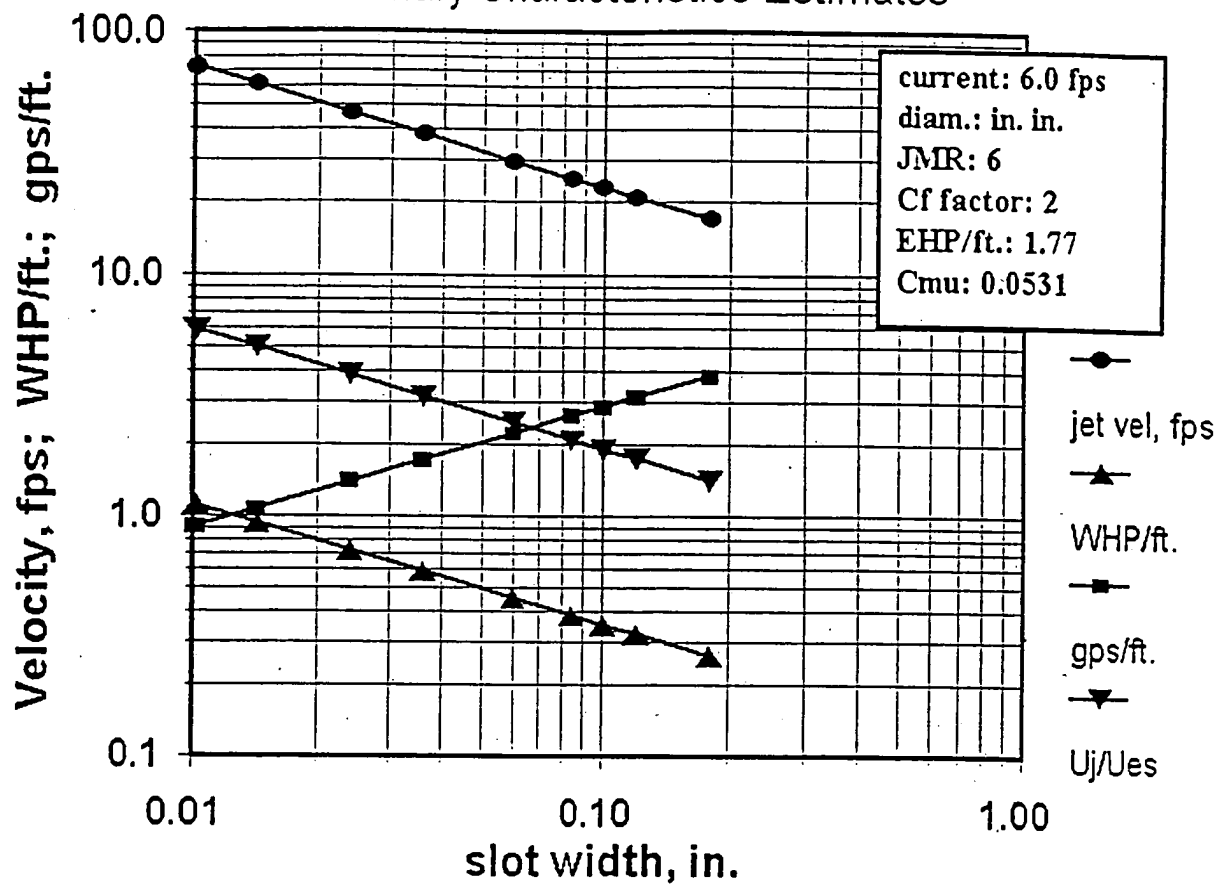


FIG. 4. Pressure rise to separation
(From Hubbart & Bangert, 1970).

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FIG. 5 Drilling Riser BLC System
Preliminary Characteristics Estimates



T04090"6035/2360

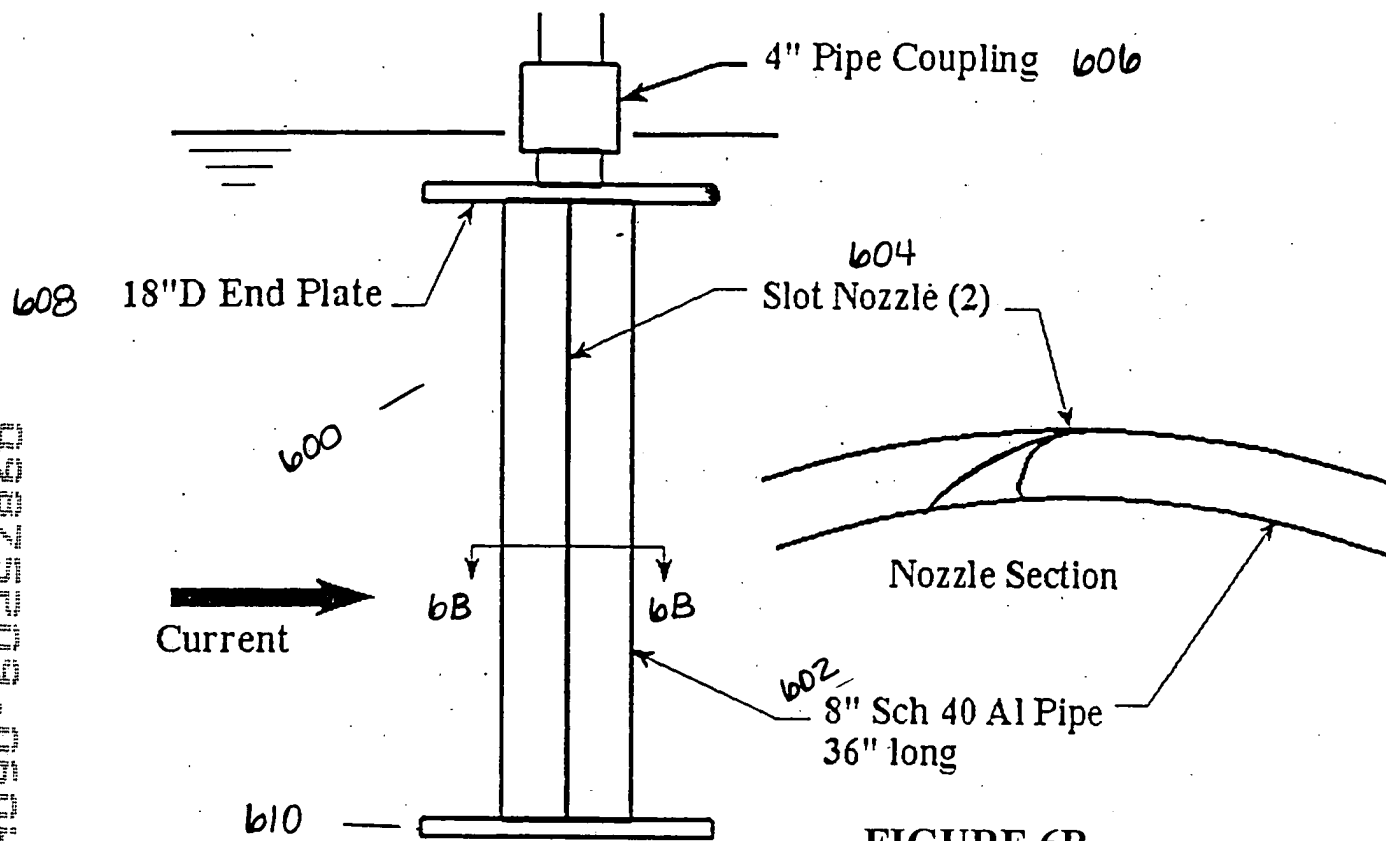
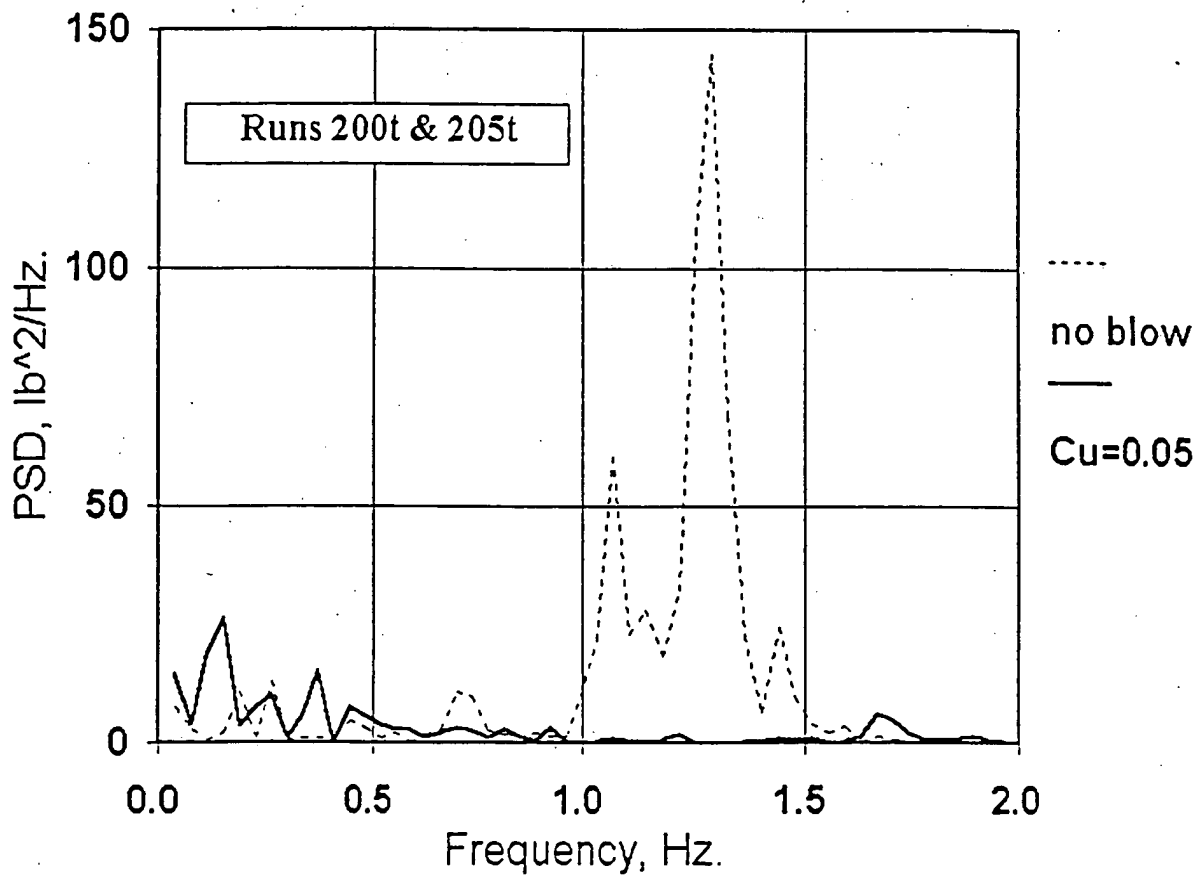


FIGURE 6B

FIGURE 6A

104000" 5026/060

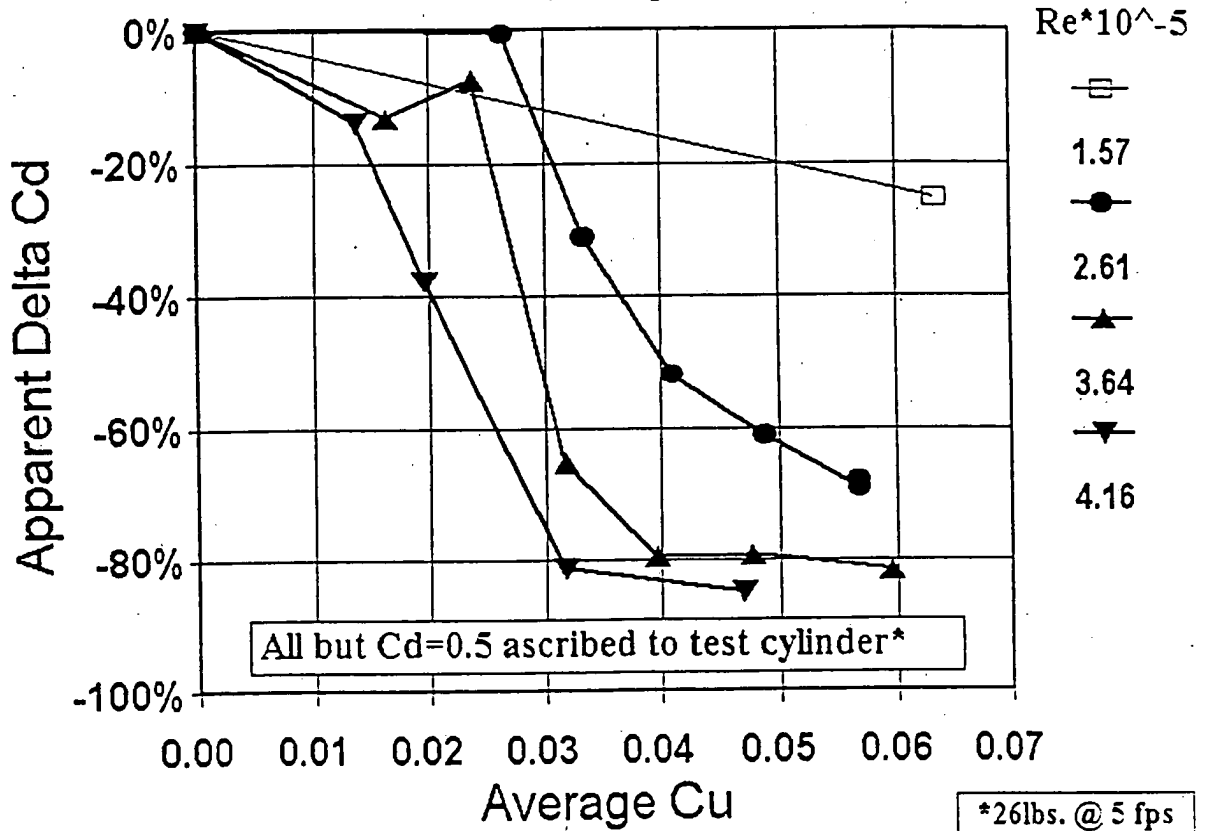
FIGURE 7. VIV Lateral Force PSD; 5 fps



T04030" 6025/2350

FIGURE 8. Apparent Delta Cd vs Cu & Re

BLC Demo, Roughened



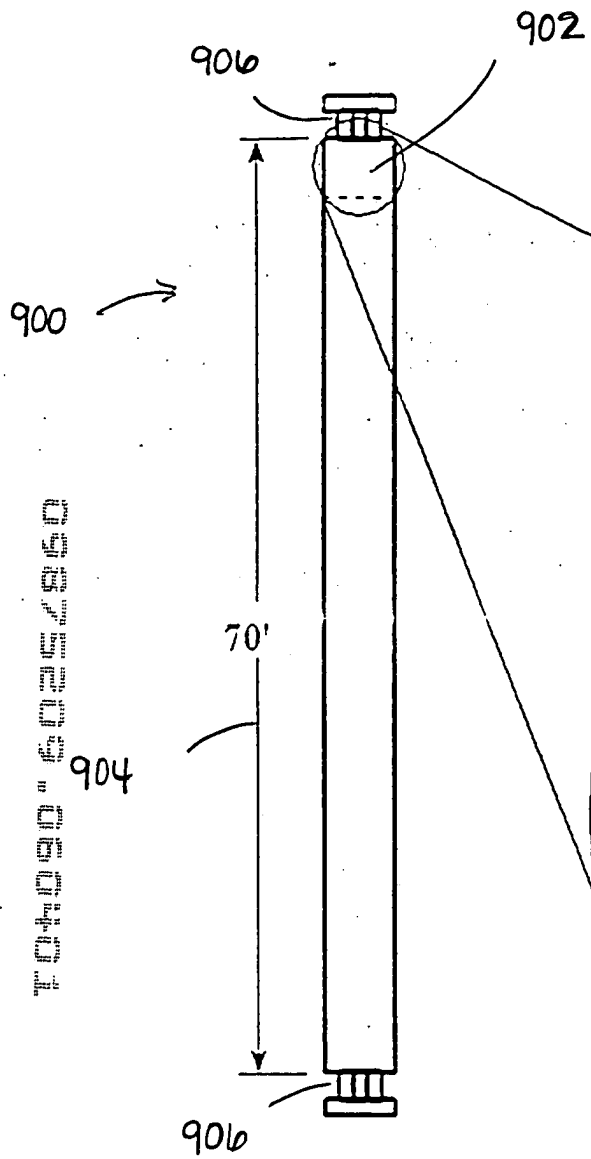


FIGURE 9A

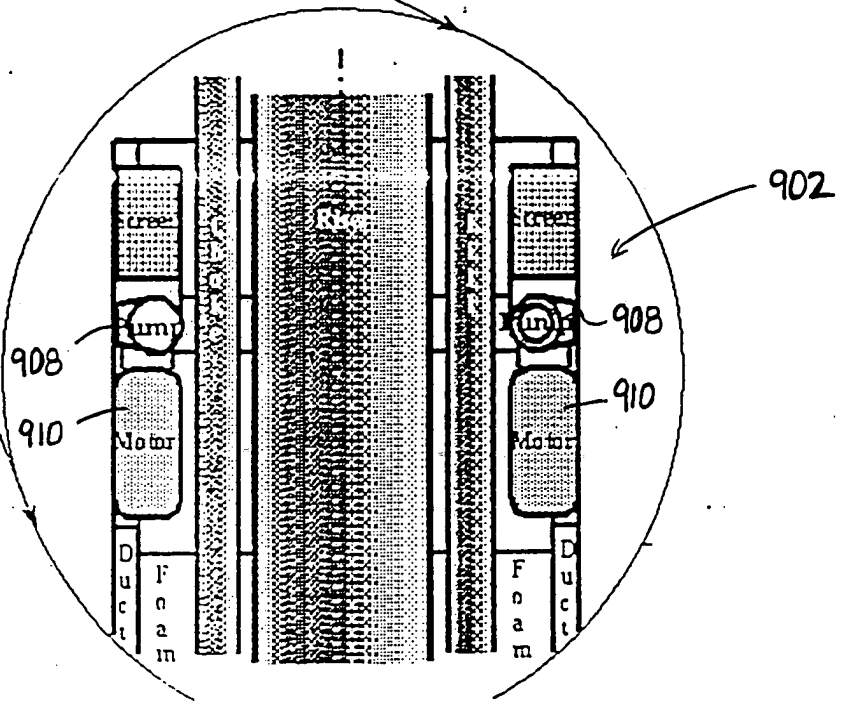


FIGURE 9B

FIGURE 10

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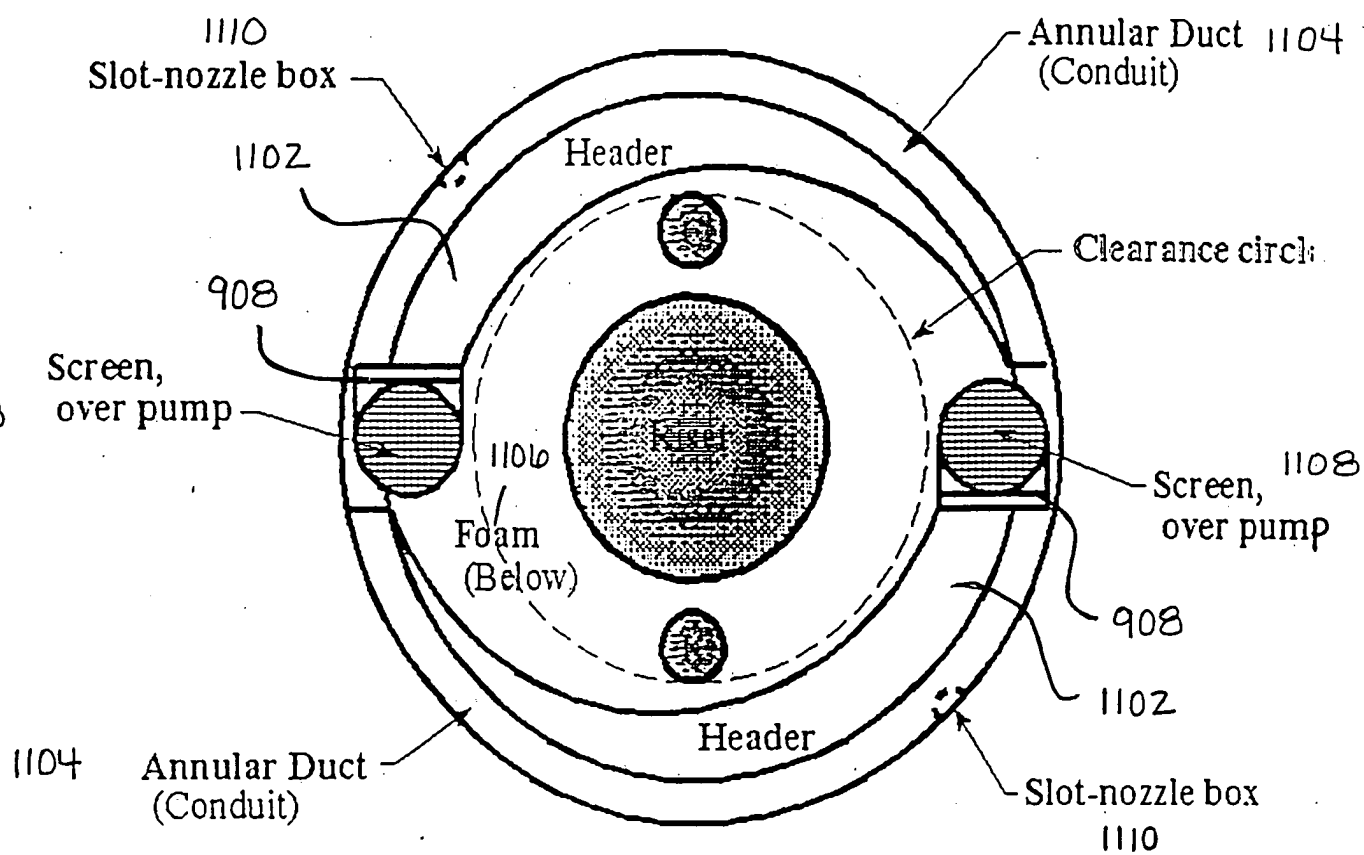


FIGURE 11

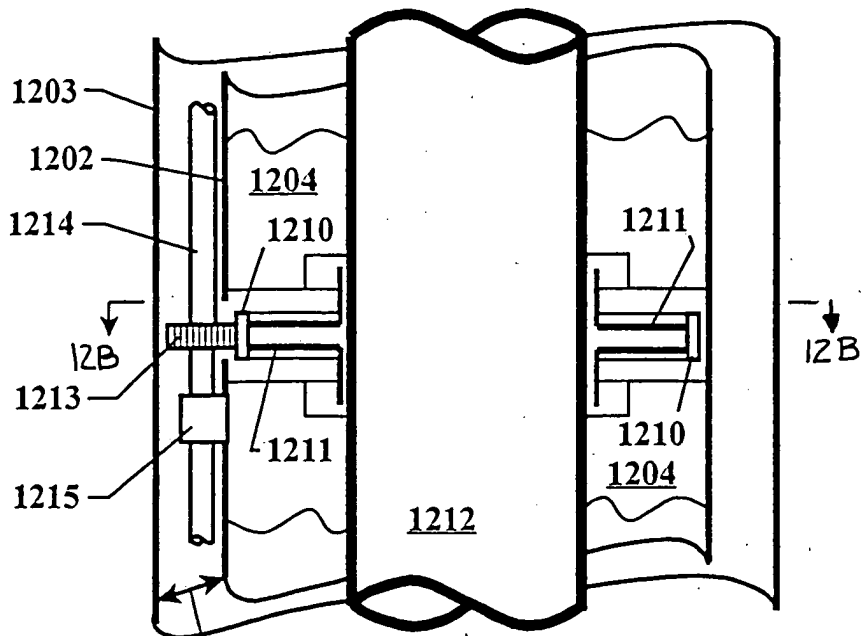


FIGURE 12A

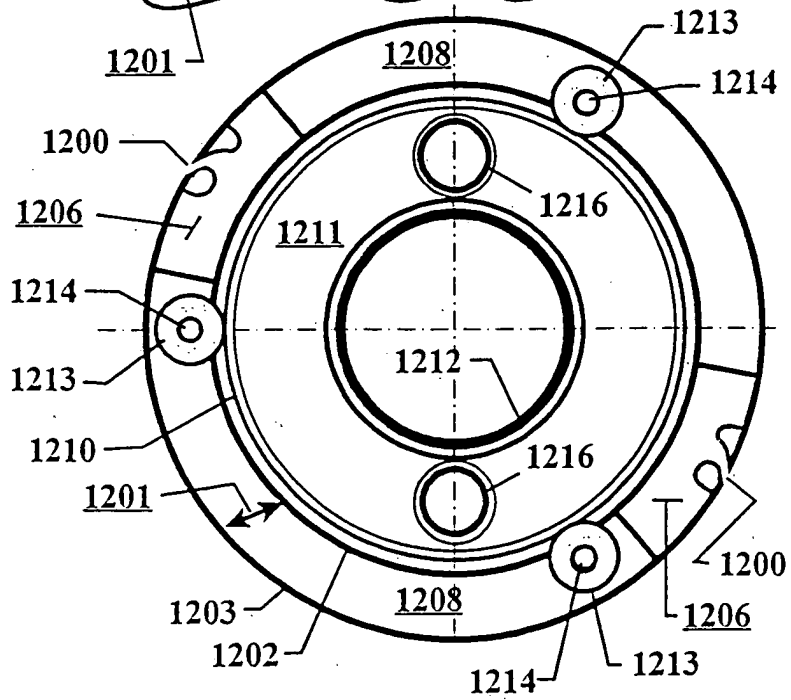


FIGURE 12B

104090" 6026/860

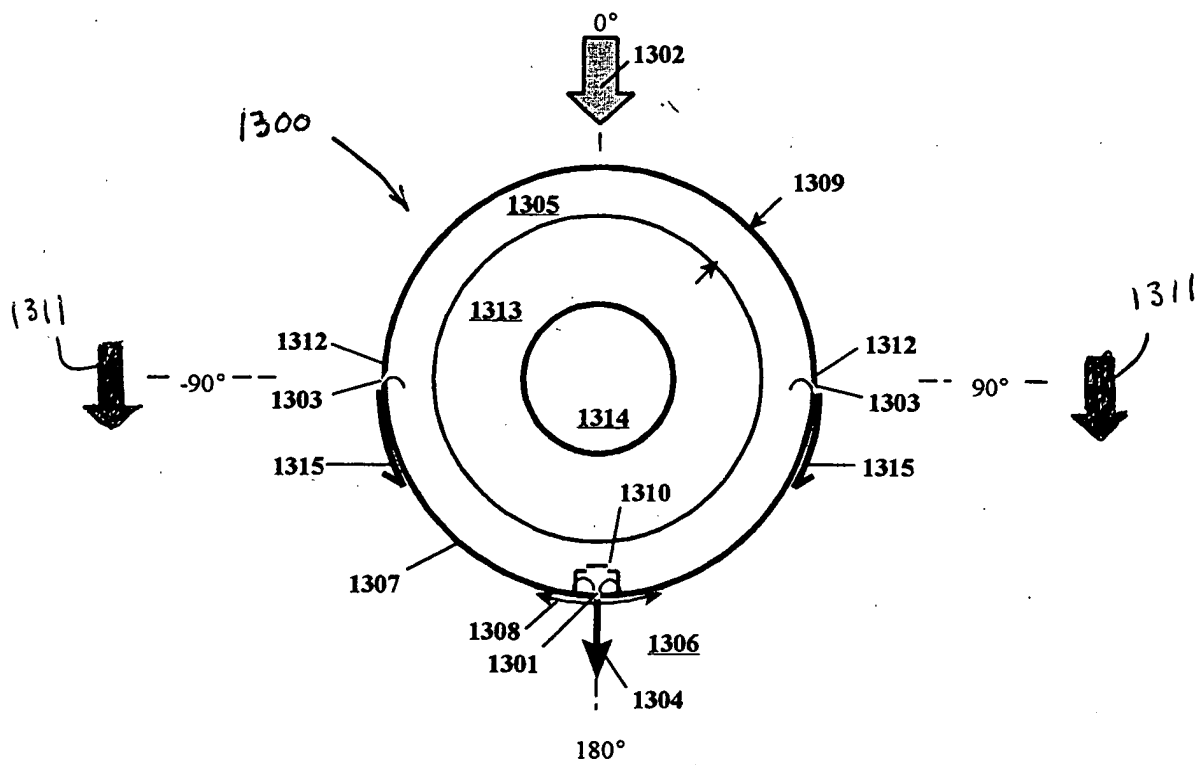


Figure 13

FIG. 14A

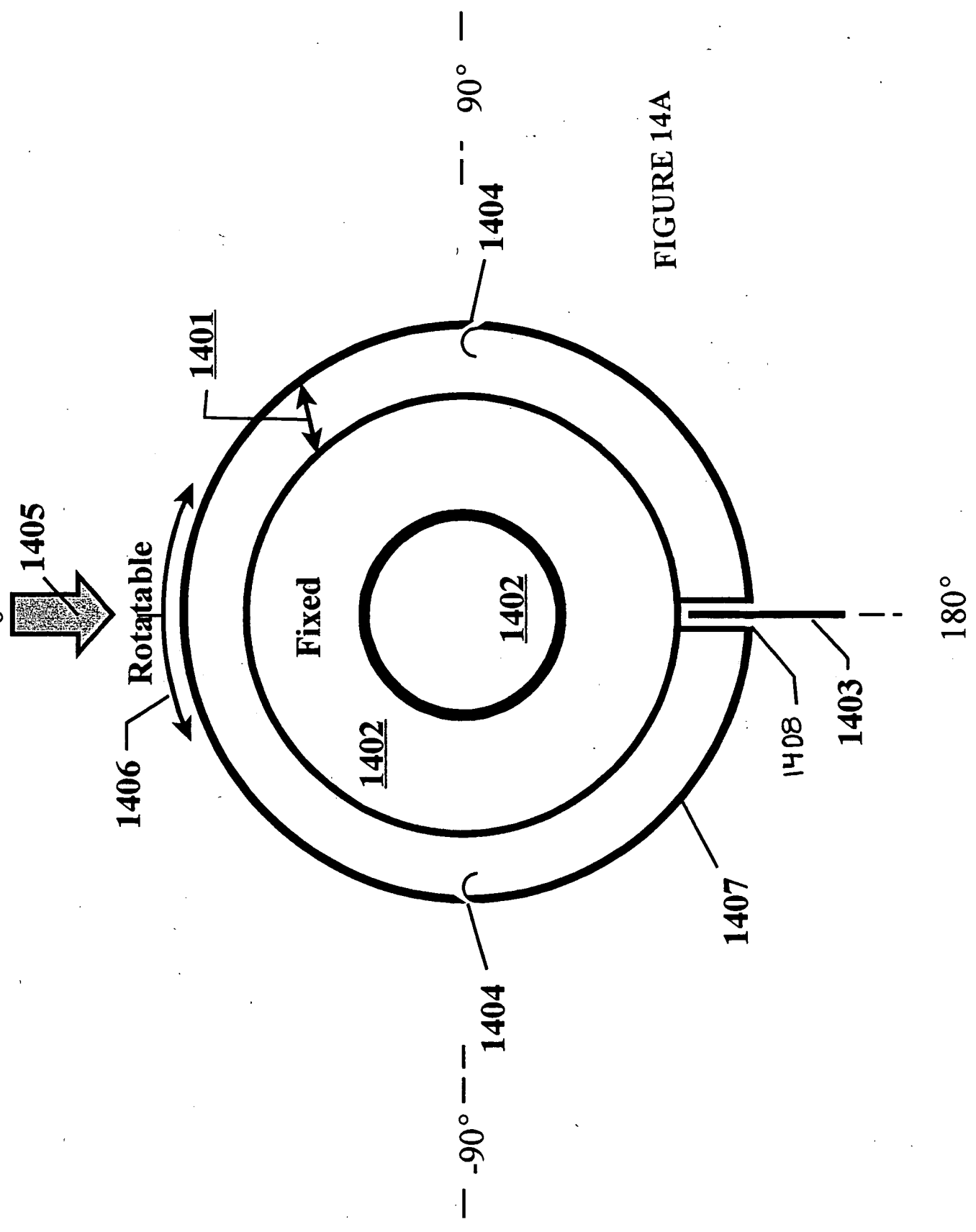


FIGURE 14A

FIGURE 14B

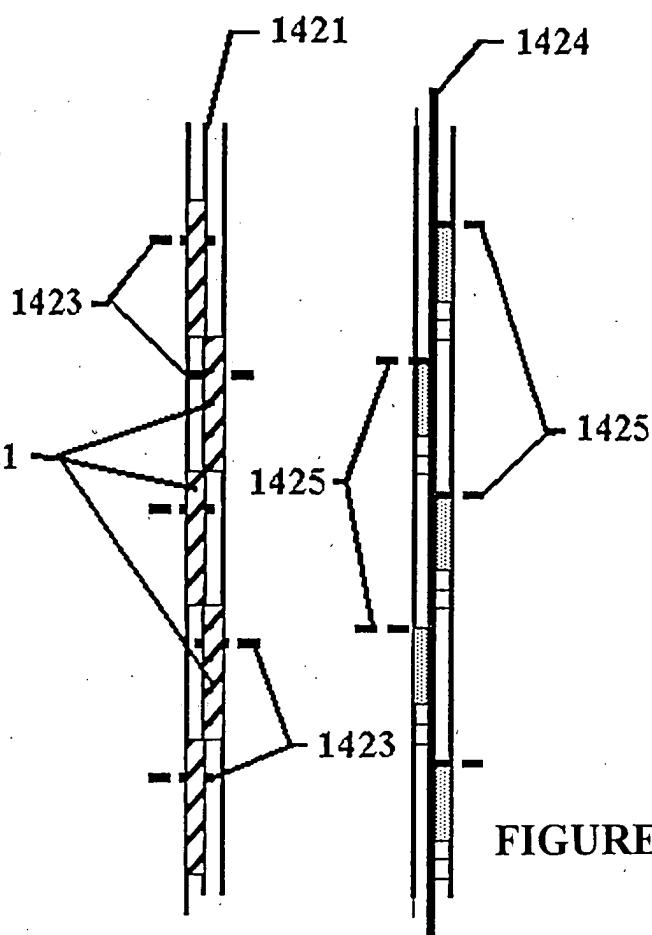
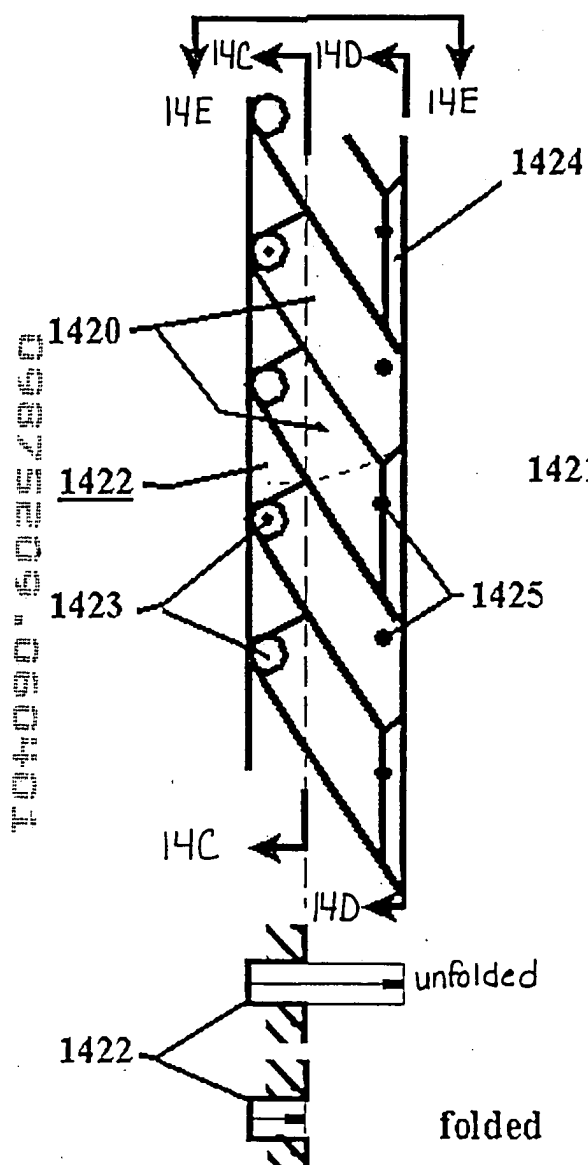


FIGURE 14D

Folding Tail-Fin
for Riser BLC and
similar applications

FIGURE 14E

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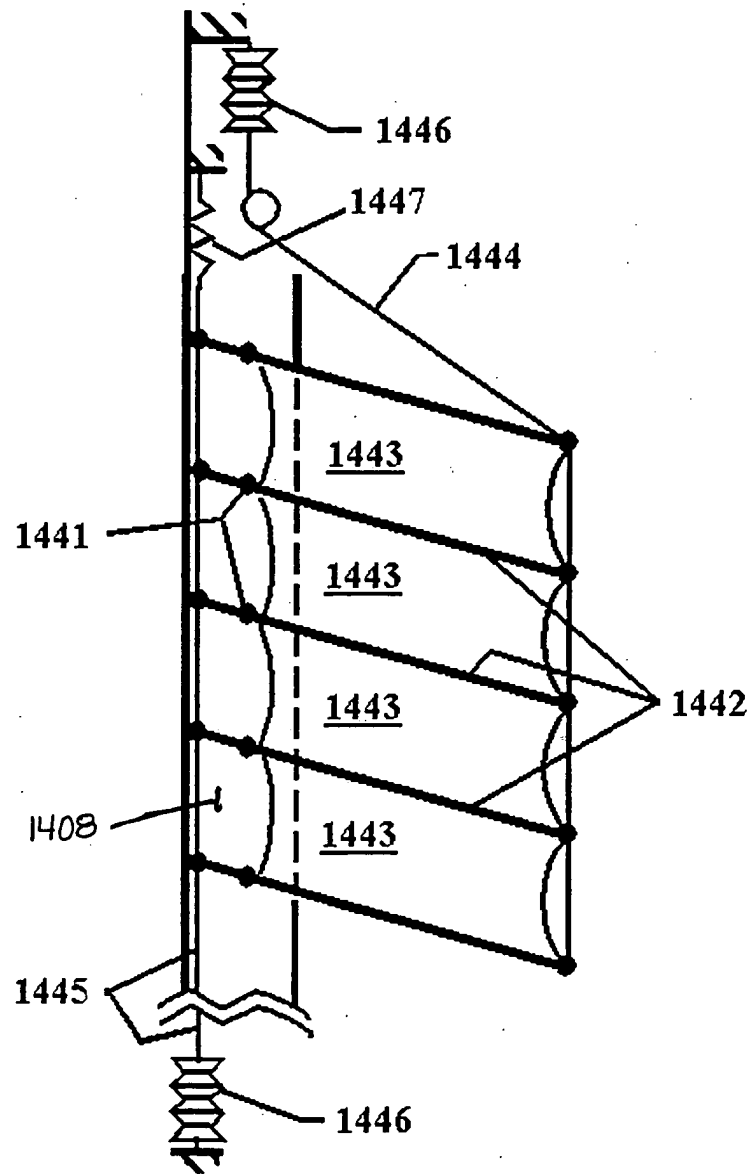


FIGURE 14F

104090" 6025/850

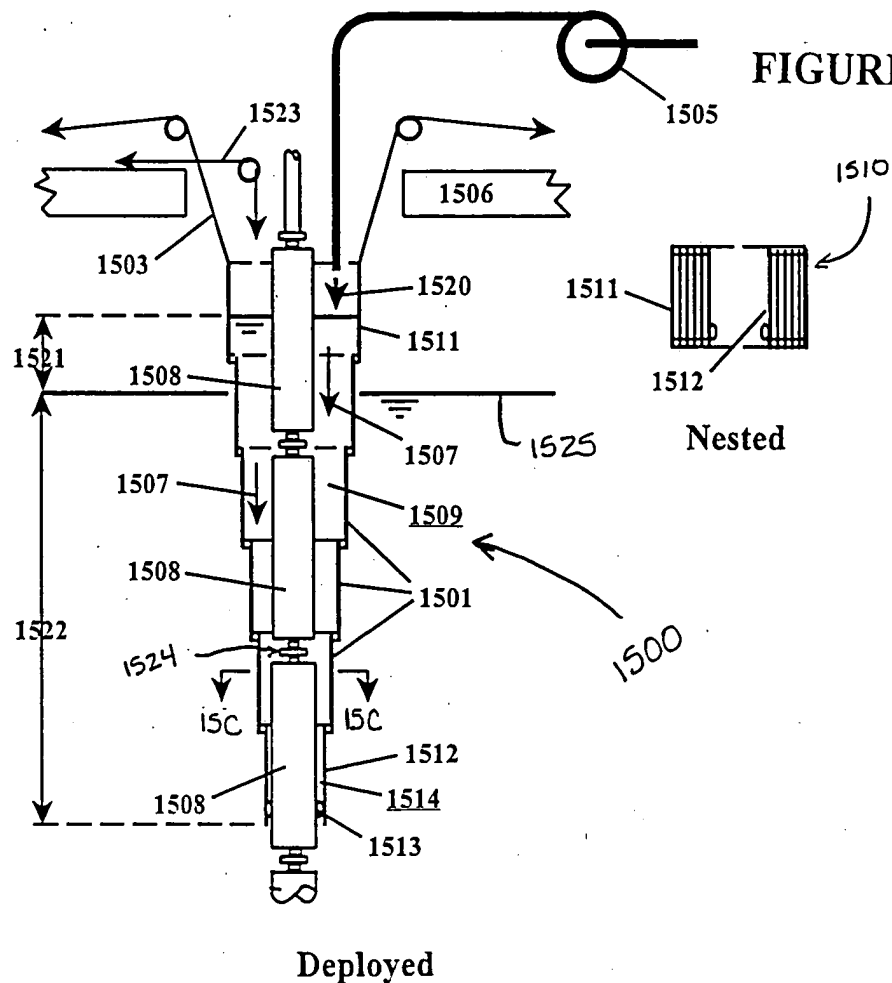


FIGURE 15A

FIGURE 15B

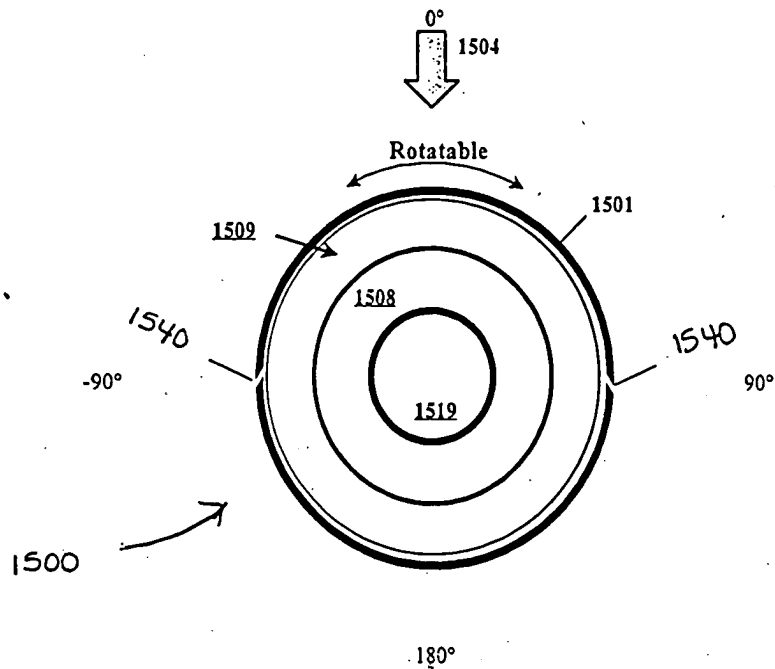


FIG. 15C Drilling Riser BLC, Telescoping Sheath Section

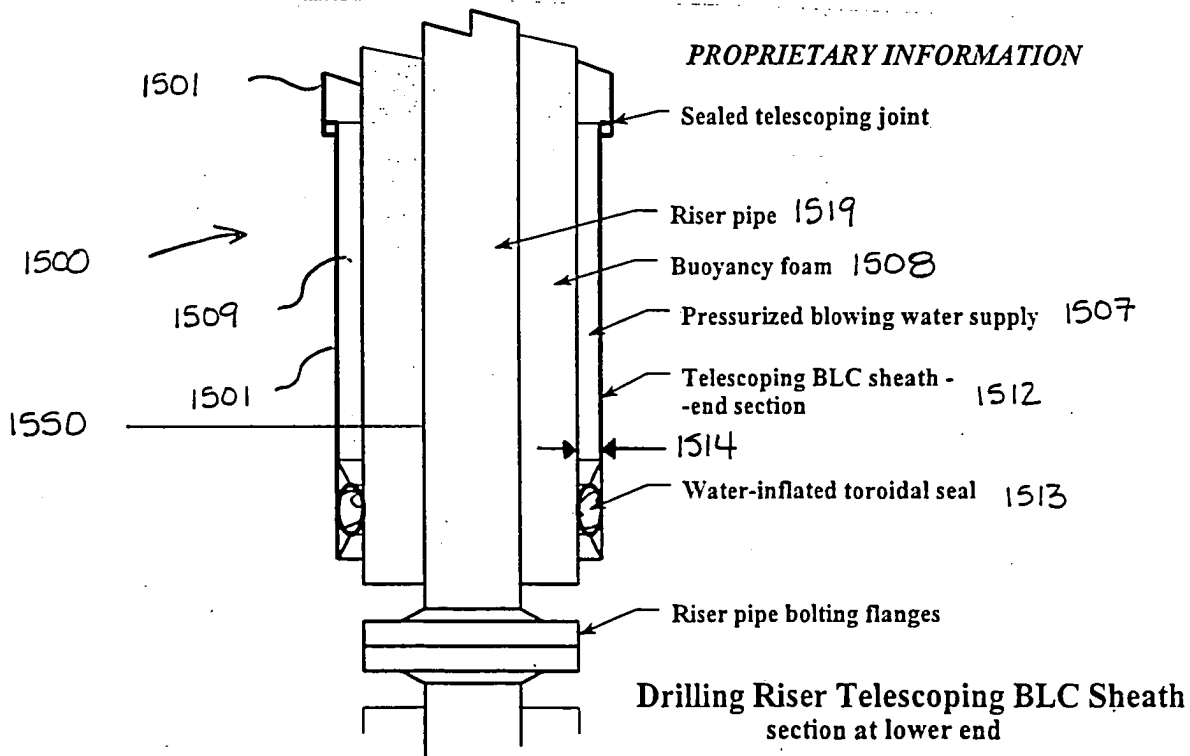


FIG. 15D Drilling Riser BLC, Telescoping Sheath Lower End

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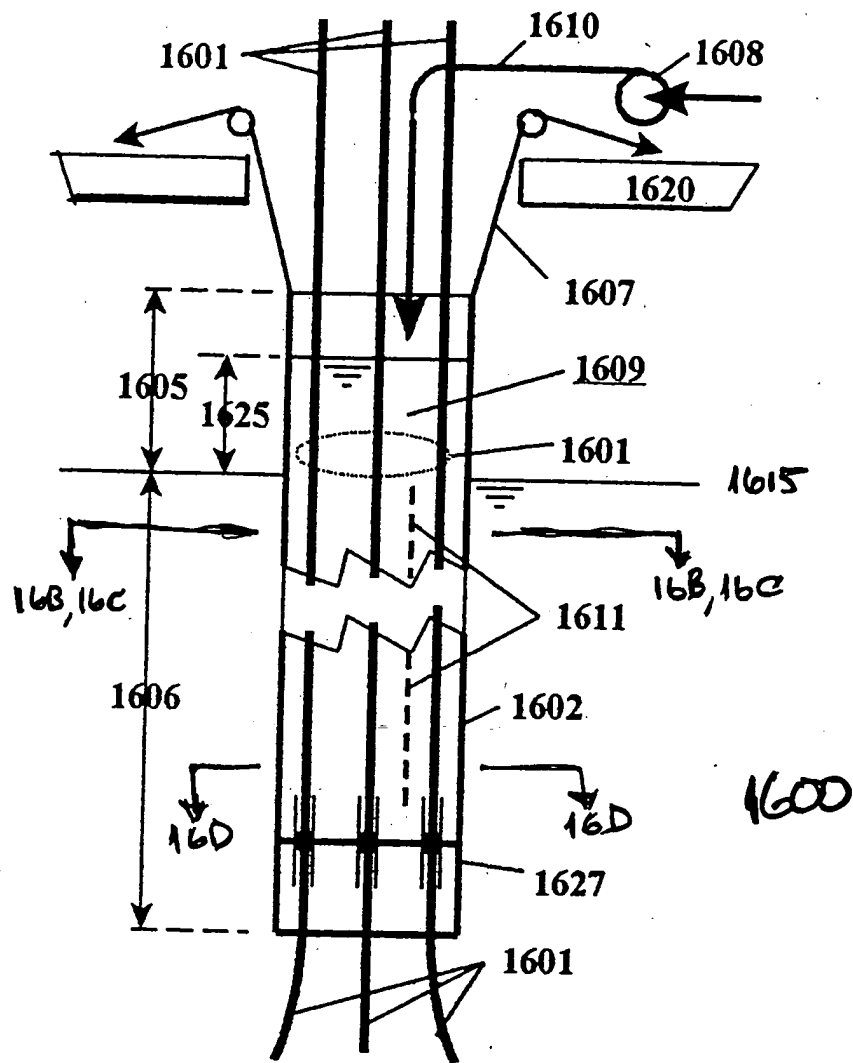


Figure 16a

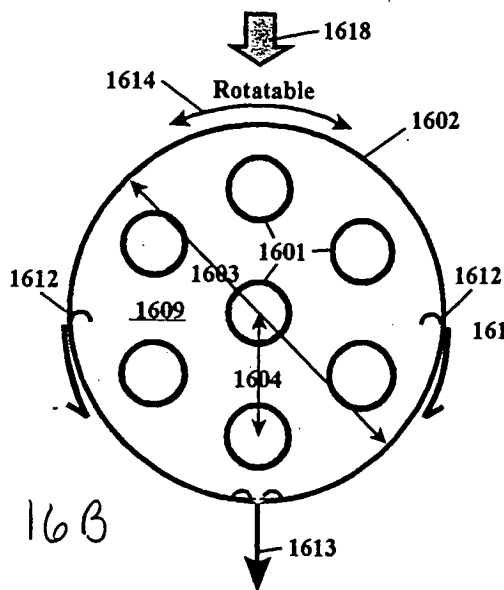


FIGURE 16B

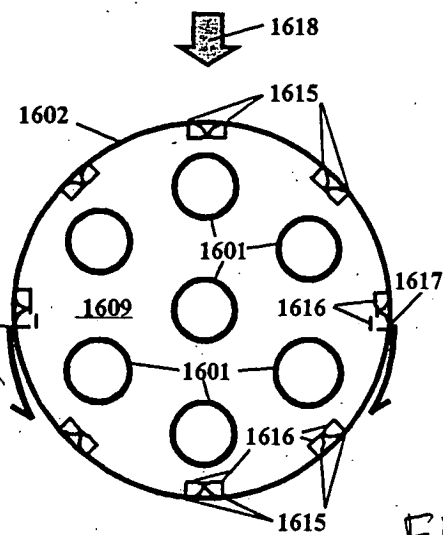


FIGURE 16C

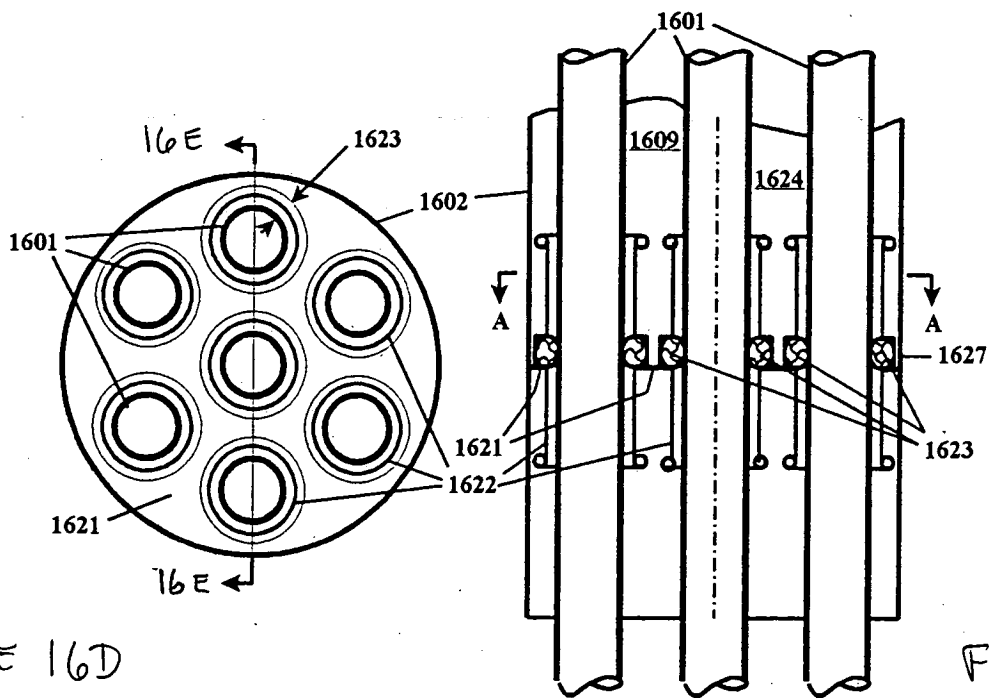


FIGURE 16D

FIGURE 16E